



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/378,045c
Source: 11645
Date Processed by STIC: 6/17/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

BEST AVAILABLE COPY



Does Not Comply
Corrected Diskette Needed

1645

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/378,045C

DATE: 06/17/2002

TIME: 14:53:32

Error on p. 5

Input Set : A:\2625-Erevsd seqlist as filed 010702.txt

Output Set: N:\CRF3\06172002\I378045C.raw

```

3 <110> APPLICANT: Rauch, Charles
4   Walczak, Henning
6 <120> TITLE OF INVENTION: RECEPTOR THAT BINDS TRAIL
8 <130> FILE REFERENCE: 2625-E
10 <140> CURRENT APPLICATION NUMBER: US 09/378,045C
11 <141> CURRENT FILING DATE: 1999-08-20
13 <150> PRIOR APPLICATION NUMBER: US 08/883,036
14 <151> PRIOR FILING DATE: 1997-06-26
16 <150> PRIOR APPLICATION NUMBER: US 08/869,852
17 <151> PRIOR FILING DATE: 1997-06-04
19 <150> PRIOR APPLICATION NUMBER: US 08/829,536
20 <151> PRIOR FILING DATE: 1997-03-28
22 <150> PRIOR APPLICATION NUMBER: US 08/815,255
23 <151> PRIOR FILING DATE: 1997-03-12
25 <150> PRIOR APPLICATION NUMBER: US 08/799,861
26 <151> PRIOR FILING DATE: 1997-02-13
28 <160> NUMBER OF SEQ ID NOS: 6
30 <170> SOFTWARE: PatentIn version 3.1
32 <210> SEQ ID NO: 1
33 <211> LENGTH: 1323
34 <212> TYPE: DNA
35 <213> ORGANISM: Homo sapiens
37 <220> FEATURE:
38 <221> NAME/KEY: CDS
39 <222> LOCATION: (1)..(1323)
40 <223> OTHER INFORMATION:
43 <400> SEQUENCE: 1
44 atg gaa caa cgg gga cag aac gcc ccg gcc gct tcg ggg gcc cgg aaa      48
45 Met Glu Gln Arg Gly Gln Asn Ala Pro Ala Ala Ser Gly Ala Arg Lys
46 1           5           10           15
48 agg cac ggc cca gga ccc agg gag gcg cgg gga gcc agg cct ggg ccc      96
49 Arg His Gly Pro Gly Pro Arg Glu Ala Arg Gly Ala Arg Pro Gly Pro
50           20           25           30
52 cgg gtc ccc aag acc ctt gtg ctc gtt gtc gcc gcg gtc ctg ctg ttg      144
53 Arg Val Pro Lys Thr Leu Val Leu Val Val Ala Ala Val Leu Leu Leu
54           35           40           45
56 gtc tca gct gag tct gct ctg atc acc caa caa gac cta gct ccc cag      192
57 Val Ser Ala Glu Ser Ala Leu Ile Thr Gln Gln Asp Leu Ala Pro Gln
58           50           55           60
60 cag aga gcg gcc cca caa caa aag agg tcc agc ccc tca gag gga ttg      240
61 Gln Arg Ala Ala Pro Gln Gln Lys Arg Ser Ser Pro Ser Glu Gly Leu
62 65           70           75           80
64 tgt cca cct gga cac cat atc tca gaa gac ggt aga gat tgc atc tcc      288

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/378,045C

DATE: 06/17/2002

TIME: 14:53:32

Input Set : A:\2625-Erevsd seqlist as filed 010702.txt

Output Set: N:\CRF3\06172002\I378045C.raw

```

65 Cys Pro Pro Gly His His Ile Ser Glu Asp Gly Arg Asp Cys Ile Ser
66                               85                               90                               95
68 tgc aaa tat gga cag gac tat agc act cac tgg aat gac ctc ctt ttc      336
69 Cys Lys Tyr Gly Gln Asp Tyr Ser Thr His Trp Asn Asp Leu Leu Phe
70                               100                               105                               110
72 tgc ttg cgc tgc acc agg tgt gat tca ggt gaa gtg gag cta agt ccg      384
73 Cys Leu Arg Cys Thr Arg Cys Asp Ser Gly Glu Val Glu Leu Ser Pro
74                               115                               120                               125
76 tgc acc acg acc aga aac aca gtg tgt cag tgc gaa gaa ggc acc ttc      432
77 Cys Thr Thr Thr Arg Asn Thr Val Cys Gln Cys Glu Glu Gly Thr Phe
78                               130                               135                               140
80 cgg gaa gaa gat tct cct gag atg tgc cgg aag tgc cgc aca ggg tgt      480
81 Arg Glu Glu Asp Ser Pro Glu Met Cys Arg Lys Cys Arg Thr Gly Cys
82 145                               150                               155                               160
84 ccc aga ggg atg gtc aag gtc ggt gat tgt aca ccc tgg agt gac atc      528
85 Pro Arg Gly Met Val Lys Val Gly Asp Cys Thr Pro Trp Ser Asp Ile
86                               165                               170                               175
88 gaa tgt gtc cac aaa gaa tca ggt aca aag cac agt ggg gaa gcc cca      576
89 Glu Cys Val His Lys Glu Ser Gly Thr Lys His Ser Gly Glu Ala Pro
90                               180                               185                               190
92 gct gtg gag gag acg gtg acc tcc agc cca ggg act cct gcc tct ccc      624
93 Ala Val Glu Glu Thr Val Thr Ser Ser Pro Gly Thr Pro Ala Ser Pro
94                               195                               200                               205
96 tgt tct ctc tca ggc atc atc ata gga gtc aca gtt gca gcc gta gtc      672
97 Cys Ser Leu Ser Gly Ile Ile Ile Gly Val Thr Val Ala Ala Val Val
98                               210                               215                               220
100 ttg att gtg gct gtg ttt gtt tgc aag tct tta ctg tgg aag aaa gtc      720
101 Leu Ile Val Ala Val Phe Val Cys Lys Ser Leu Leu Trp Lys Lys Val
102 225                               230                               235                               240
104 ctt cct tac ctg aaa ggc atc tgc tca ggt ggt ggt ggg gac cct gag      768
105 Leu Pro Tyr Leu Lys Gly Ile Cys Ser Gly Gly Gly Gly Asp Pro Glu
106                               245                               250                               255
108 cgt gtg gac aga agc tca caa cga cct ggg gct gag gac aat gtc ctc      816
109 Arg Val Asp Arg Ser Ser Gln Arg Pro Gly Ala Glu Asp Asn Val Leu
110                               260                               265                               270
112 aat gag atc gtg agt atc ttg cag ccc acc cag gtc cct gag cag gaa      864
113 Asn Glu Ile Val Ser Ile Leu Gln Pro Thr Gln Val Pro Glu Gln Glu
114                               275                               280                               285
116 atg gaa gtc cag gag cca gca gag cca aca ggt gtc aac atg ttg tcc      912
117 Met Glu Val Gln Glu Pro Ala Glu Pro Thr Gly Val Asn Met Leu Ser
118                               290                               295                               300
120 ccc ggg gag tca gag cat ctg ctg gaa ccg gca gaa gct gaa agg tct      960
121 Pro Gly Glu Ser Glu Leu Leu Glu Pro Ala Glu Ala Glu Arg Ser
122 305                               310                               315                               320
124 cag agg agg agg ctg ctg gtt cca gca aat gaa ggt gat ccc act gag      1008
125 Gln Arg Arg Arg Leu Leu Val Pro Ala Asn Glu Gly Asp Pro Thr Glu
126                               325                               330                               335
128 act ctg aga cag tgc ttc gat gac ttt gca gac ttg gtg ccc ttt gac      1056
129 Thr Leu Arg Gln Cys Phe Asp Asp Phe Ala Asp Leu Val Pro Phe Asp

```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/378,045C

DATE: 06/17/2002
TIME: 14:53:32

Input Set : A:\2625-Erevsd seqlist as filed 010702.txt
Output Set: N:\CRF3\06172002\I378045C.raw

```

130          340          345          350
132 tcc tgg gag ccg ctc atg agg aag ttg ggc ctc atg gac aat gag ata      1104
133 Ser Trp Glu Pro Leu Met Arg Lys Leu Gly Leu Met Asp Asn Glu Ile
134          355          360          365
136 aag gtg gct aaa gct gag gca gcg ggc cac agg gac acc ttg tac acg      1152
137 Lys Val Ala Lys Ala Glu Ala Ala Gly His Arg Asp Thr Leu Tyr Thr
138          370          375          380
140 atg ctg ata aag tgg gtc aac aaa acc ggg cga gat gcc tct gtc cac      1200
141 Met Leu Ile Lys Trp Val Asn Lys Thr Gly Arg Asp Ala Ser Val His
142 385          390          395          400
144 acc ctg ctg gat gcc ttg gag acg ctg gga gag aga ctt gcc aag cag      1248
145 Thr Leu Leu Asp Ala Leu Glu Thr Leu Gly Glu Arg Leu Ala Lys Gln
146          405          410          415
148 aag att gag gac cac ttg ttg agc tct gga aag ttc atg tat cta gaa      1296
149 Lys Ile Glu Asp His Leu Leu Ser Ser Gly Lys Phe Met Tyr Leu Glu
150          420          425          430
152 ggt aat gca gac tct gcc atg tcc taa      1323
153 Gly Asn Ala Asp Ser Ala Met Ser
154          435          440
157 <210> SEQ ID NO: 2
158 <211> LENGTH: 440
159 <212> TYPE: PRT
160 <213> ORGANISM: Homo sapiens
162 <400> SEQUENCE: 2
164 Met Glu Gln Arg Gly Gln Asn Ala Pro Ala Ala Ser Gly Ala Arg Lys
165 1          5          10          15
168 Arg His Gly Pro Gly Pro Arg Glu Ala Arg Gly Ala Arg Pro Gly Pro
169          20          25          30
172 Arg Val Pro Lys Thr Leu Val Leu Val Val Ala Ala Val Leu Leu Leu
173          35          40          45
176 Val Ser Ala Glu Ser Ala Leu Ile Thr Gln Gln Asp Leu Ala Pro Gln
177          50          55          60
180 Gln Arg Ala Ala Pro Gln Gln Lys Arg Ser Ser Pro Ser Glu Gly Leu
181 65          70          75          80
184 Cys Pro Pro Gly His His Ile Ser Glu Asp Gly Arg Asp Cys Ile Ser
185          85          90          95
188 Cys Lys Tyr Gly Gln Asp Tyr Ser Thr His Trp Asn Asp Leu Leu Phe
189          100          105          110
192 Cys Leu Arg Cys Thr Arg Cys Asp Ser Gly Glu Val Glu Leu Ser Pro
193          115          120          125
196 Cys Thr Thr Thr Arg Asn Thr Val Cys Gln Cys Glu Glu Gly Thr Phe
197          130          135          140
200 Arg Glu Glu Asp Ser Pro Glu Met Cys Arg Lys Cys Arg Thr Gly Cys
201 145          150          155          160
204 Pro Arg Gly Met Val Lys Val Gly Asp Cys Thr Pro Trp Ser Asp Ile
205          165          170          175
208 Glu Cys Val His Lys Glu Ser Gly Thr Lys His Ser Gly Glu Ala Pro
209          180          185          190
212 Ala Val Glu Glu Thr Val Thr Ser Ser Pro Gly Thr Pro Ala Ser Pro

```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/378,045C

DATE: 06/17/2002
TIME: 14:53:32

Input Set : A:\2625-Erevsd seqlist as filed 010702.txt
Output Set: N:\CRF3\06172002\I378045C.raw

```

213          195          200          205
216 Cys Ser Leu Ser Gly Ile Ile Ile Gly Val Thr Val Ala Ala Val Val
217          210          215          220
220 Leu Ile Val Ala Val Phe Val Cys Lys Ser Leu Leu Trp Lys Lys Val
221 225          230          235          240
224 Leu Pro Tyr Leu Lys Gly Ile Cys Ser Gly Gly Gly Gly Asp Pro Glu
225          245          250          255
228 Arg Val Asp Arg Ser Ser Gln Arg Pro Gly Ala Glu Asp Asn Val Leu
229          260          265          270
232 Asn Glu Ile Val Ser Ile Leu Gln Pro Thr Gln Val Pro Glu Gln Glu
233          275          280          285
236 Met Glu Val Gln Glu Pro Ala Glu Pro Thr Gly Val Asn Met Leu Ser
237          290          295          300
240 Pro Gly Glu Ser Glu His Leu Leu Glu Pro Ala Glu Ala Glu Arg Ser
241 305          310          315          320
244 Gln Arg Arg Arg Leu Leu Val Pro Ala Asn Glu Gly Asp Pro Thr Glu
245          325          330          335
248 Thr Leu Arg Gln Cys Phe Asp Asp Phe Ala Asp Leu Val Pro Phe Asp
249          340          345          350
252 Ser Trp Glu Pro Leu Met Arg Lys Leu Gly Leu Met Asp Asn Glu Ile
253          355          360          365
256 Lys Val Ala Lys Ala Glu Ala Ala Gly His Arg Asp Thr Leu Tyr Thr
257          370          375          380
260 Met Leu Ile Lys Trp Val Asn Lys Thr Gly Arg Asp Ala Ser Val His
261 385          390          395          400
264 Thr Leu Leu Asp Ala Leu Glu Thr Leu Gly Glu Arg Leu Ala Lys Gln
265          405          410          415
268 Lys Ile Glu Asp His Leu Leu Ser Ser Gly Lys Phe Met Tyr Leu Glu
269          420          425          430
272 Gly Asn Ala Asp Ser Ala Met Ser
273          435          440
276 <210> SEQ ID NO: 3
277 <211> LENGTH: 157
278 <212> TYPE: DNA
279 <213> ORGANISM: Homo sapiens
281 <220> FEATURE:
282 <221> NAME/KEY: CDS
283 <222> LOCATION: (3)..(155)
284 <223> OTHER INFORMATION:
287 <220> FEATURE:
288 <221> NAME/KEY: misc_feature
289 <222> LOCATION: (145)..(145)
290 <223> OTHER INFORMATION: "n" = a, t, g, or c
293 <220> FEATURE:
294 <221> NAME/KEY: misc_feature
295 <222> LOCATION: (149)..(149)
296 <223> OTHER INFORMATION: "n" = a, t, g, or c
299 <400> SEQUENCE: 3
300 ct gag act ctg aga cag tgc ttc gat gac ttt gca gac ttg gtg ccc

```

47

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/378,045C

DATE: 06/17/2002
TIME: 14:53:32

Input Set : A:\2625-Erevsd seqlist as filed 010702.txt
Output Set: N:\CRF3\06172002\I378045C.raw

Best Available Copy

```

301   Glu Thr Leu Arg Gln Cys Phe Asp Asp Phe Ala Asp Leu Val Pro
302   1           5           10           15
304 ttt gac tcc tgg gag ccg ctc atg agg aag ttg ggc ctc atg gac aat      95
305 Phe Asp Ser Trp Glu Pro Leu Met Arg Lys Leu Gly Leu Met Asp Asn
306           20           25           30
308 gag ata aag gtg gct aaa gct gag gca gcg ggc cac agg gac acc ttg      143
309 Glu Ile Lys Val Ala Lys Ala Glu Ala Ala Gly His Arg Asp Thr Leu
310           35           40           45
W--> 312 tnc acn atg ctg at      157
W--> 313 Xaa Xaa Met Leu
314           50
317 <210> SEQ ID NO: 4
318 <211> LENGTH: 51
319 <212> TYPE: PRT
320 <213> ORGANISM: Homo sapiens
322 <220> FEATURE:
323 <221> NAME/KEY: misc_feature
324 <222> LOCATION: (48)..(48)
325 <223> OTHER INFORMATION: The 'Xaa' at location 48 stands for Tyr, Cys, Ser, or Phe.
327 <220> FEATURE:
328 <221> NAME/KEY: misc_feature
329 <222> LOCATION: (49)..(49)
330 <223> OTHER INFORMATION: The 'Xaa' at location 49 stands for Thr.
332 <220> FEATURE:
333 <221> NAME/KEY: misc_feature
334 <222> LOCATION: (145)..(145)
335 <223> OTHER INFORMATION: "n" = a, t, g, or c
337 <220> FEATURE:
338 <221> NAME/KEY: misc_feature
339 <222> LOCATION: (149)..(149)
340 <223> OTHER INFORMATION: "n" = a, t, g, or c
342 <400> SEQUENCE: 4
344 Glu Thr Leu Arg Gln Cys Phe Asp Asp Phe Ala Asp Leu Val Pro Phe
345 1           5           10           15
348 Asp Ser Trp Glu Pro Leu Met Arg Lys Leu Gly Leu Met Asp Asn Glu
349           20           25           30
W--> 352 Ile Lys Val Ala Lys Ala Glu Ala Ala Gly His Arg Asp Thr Leu Xaa
353           35           40           45
W--> 356 Xaa Met Leu
357           50
360 <210> SEQ ID NO: 5
361 <211> LENGTH: 8
362 <212> TYPE: PRT
363 <213> ORGANISM: Artificial Sequence
365 <220> FEATURE:
366 <223> OTHER INFORMATION: FLAG peptide
368 <400> SEQUENCE: 5
370 Asp Tyr Lys Asp Asp Asp Asp Lys
371 1           5

```

no positions 145 + 149 -
no Ns in a protein sequence!

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/378,045C

DATE: 06/17/2002
TIME: 14:53:33

Input Set : A:\2625-Erevsd seqlist as filed 010702.txt
Output Set: N:\CRF3\06172002\I378045C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 145,149

Seq#:3; Xaa Pos. 48,49

Seq#:4; Xaa Pos. 48,49

Not Available Copy

VERIFICATION SUMMARY

DATE: 06/17/2002

PATENT APPLICATION: US/09/378,045C

TIME: 14:53:33

Input Set : A:\2625-Erevsd seqlist as filed 010702.txt

Output Set: N:\CRF3\06172002\I378045C.raw

L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:143
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:157
L:352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:32
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:48

Best Available Copy